

MICROMECHANISM DEVICE

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Abstract

PURPOSE:To provide a micromechanism device which can move by determining a self-traveling direction and speed in a remote control style.

CONSTITUTION:Vibrating objects 100a and 100b having a mutually different resonance frequency are held by a connecting member 102, and when acoustic energy having the same frequency with the resonance frequency in either one of the vibrating objects 100a and 100b is radiated from outside; vibrational displacement independent of the vibrating objects 100a and 100b is resonated and excited, and thereby, a self-traveling direction and speed of the whole micromechanism device is determined, and the whole device can move in a remote control style.

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